

Title (en)

TURBINE SHROUD SECTOR WITH COOLED SEALING STRIPS

Title (de)

TURBINENMANTELABSCHNITT MIT GEKÜHLTEN DICHTUNGSSTREIFEN

Title (fr)

SECTEUR D'ANNEAU DE TURBINE A LANGUETTES D'ETANCHEITE REFROIDIES

Publication

**EP 3874131 A1 20210908 (FR)**

Application

**EP 19813377 A 20191021**

Priority

- FR 1859983 A 20181029
- FR 2019052491 W 20191021

Abstract (en)

[origin: CA3117072A1] The invention relates to a turbine shroud sector (2) made of ceramic matrix composite, of longitudinal axis X and which comprises a base (3) with a radially internal face (6), a radially external face (7) from which there extend upstream (4) and downstream (5) tabs for attachment to a shroud support structure, and at least one inter-sector lateral face (9), the base comprising a first slot (10) and a second slot (16), which is arranged radially on the outside of the first slot, which slots are each formed in the lateral face, a first and a second sealing strip (14, 17) respectively resting against a radially internal wall of these first and second slots. According to the invention, the first strip has the overall shape of an omega and the shroud sector exhibits a first clearance which is defined radially between a central part (14a) of the first strip and the radially internal wall of the first slot, and a second clearance which is defined radially between this central part and a radially external wall (15b) of the first slot.

IPC 8 full level

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Citation (search report)

See references of WO 2020089540A1

Designated contracting state (EPC)

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**FR 3087825 A1 20200501**; **FR 3087825 B1 20201030**; CA 3117072 A1 20200507; CN 112912593 A 20210604; CN 112912593 B 20230818; EP 3874131 A1 20210908; EP 3874131 B1 20221130; US 11506085 B2 20221122; US 2021355844 A1 20211118; WO 2020089540 A1 20200507

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